1	
Second S	13:30
0 384/\$.cols. and \$7plat\$3 adj2 solder\$4 adj3 USPAT US	
184 Second Seco	
0 384/S.ccla. and \$7plat\$3 adj2 solder\$4 adj3 USPAT; USPAT	
196 \$7plat\$3 adj2 weld\$4 adj3 sleeve\$2 SERNERT; IBM TDB SPAT; US-PGPUB; EPO; JPO; DERWERT; IBM TDB SP) 13:42
The content of the	
196 S7plat\$3 adj2 weld\$4 adj3 sleeve\$2 IBM TDB USPAT; US-POPUB; EPO; JPO; DREWENT; US-POPUB; EPO; JPO; DREWENT	
196 S7platS3 adj2 weld\$4 adj3 sleeve\$2	
14	
14) 13:57
14	
14	
14	
17	
EPC; JPC; DED; DERWENT; IEM_TDB USPAT; Weld\$4) adj3 sleeve\$2) 14:29
DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGBUB; EPO; JPO; US-P	
17	
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12	
1 141/\$.ccls. and \$7plat\$3 adj2 (solder\$5 DERWENT; IBM TDB USPAT; US-PGPUB; EPO, JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO, JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO, JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US) 14:29
1	
1	
12	
weld\$4) adj3 sleeve\$2	
SPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT;) 14:29
DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB, EPO; JPO; DERWENT; IBM TDB USPAT; USPAT	
13 2 (dirk near3 krieger).in. IBM TDB USPAT; USP	
13 2 (dirk near3 krieger).in. 15 2 (dirk near3 krieger).in. 16 2 (etoli near3 wolff).in. 17 (etoli near3 wolff).in. 18 2 (steven near3 parsoneault).in. 18 0 ((etoli near3 wolff).in.) and weld\$5 18 0 ((etoli near3 wolff).in.) and weld\$5 19 0 ((etoli near3 wolff).in.) and (solder\$5 USPAT; IBM TDB USP	
US-PGPUB; EPO, JPO; DERWENT; IBM TDB USPAT; USPAT 2001/04/17 USPAT 200	
SEPC; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT US) 14:29
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT US	
IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	
15 3 (etoli near3 wolff).in. USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; IBM TDB USPĀT USPAT USPAT USPĀT	
US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT USPAT USPAT USPAT USPAT 2001/04/17 "shaft" 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 "bearing") and (dynamic near pressure) "USPAT 2001/04/17 "bearing") and (dynamic near pressure) "USPAT 2001/04/17 2001/04/17 "bearing") and (dynamic near pressure) "USPAT 2001/04/17 2001/04/17 "bearing") and (dynamic near pressure) "USPAT 2001/04/17 2001/04/17 "DEAT 2	
BEPC; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT US) 14:31
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT 2001/04/17	
18	
16 (steven near3 parsoneault).in. USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT USPĀT 2003/01/10 1965 310/67r 238 310/67r 238 310/67r 310/90 310/90 and "fluid" and "bearing" and "shaft" and "bearing" 446 310/90 and "fluid" and "shaft" and "bearing" 447 448 449 449 449 440 440 440 440 440 440 440	
US-PGPUB; EPC; JPC; DERWENT; IBM_TDB USPAT; US-PGPUB; EPC; JPC; DERWENT; IBM_TDB USPAT 2003/01/10 USPAT 238 310/67r and "fluid" and "bearing" and "spaft" 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 USPAT 200	1 14.20
EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT USPĀT USPĀT USPĀT USPĀT USPĀT 2001/04/17 "shaft" and "shaft" and "bearing" USPĀT 2001/04/17) 14:23
DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT USPAT USPAT 2001/04/17	
18 0 ((etoli near3 wolff).in.) and weld\$5 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; Weld\$5) US-EGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT USPAT USPAT 2001/04/17 "shaft" and "bearing" and "shaft" and "bearing" USPAT 2001/04/17	
18 0 ((etoli near3 wolff).in.) and weld\$5 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT USPAT 2003/01/10 USPAT 2001/04/17 "shaft" 2527 310/90 and "fluid" and "bearing" and "shaft" and "bearing" USPAT 2001/04/17 446 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 "bearing") and (dynamic near pressure) (310/90 and "fluid" and "shaft" and USPAT 2001/04/17 "bearing") and (dynamic near pressure) (310/90 and "fluid" and "shaft" and USPAT 2001/04/17	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT USPAT 2003/01/10 USPAT 2002/05/30 USPAT 2001/04/17 "shaft" 2527 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17	1 14.31
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DERWENT; IBM_TDB USPAT; weld\$5) 0 ((steven near3 parsoneault).in.) and (solder\$5	
19 0 ((etoli near3 wolff).in.) and (solder\$5 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT IBM_TDB USPAT 2003/01/10 "shaft" 238 310/67r and "fluid" and "bearing" and "shaft" and "bearing" USPAT 2001/04/17 "shaft" 2527 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 "bearing") and (dynamic near pressure) (310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 "bearing") and (dynamic near pressure) (310/90 and "fluid" and "shaft" and USPAT 2001/04/17 "bearing") and (dynamic near pressure) (310/90 and "fluid" and "shaft" and USPAT 2001/04/17	
0 ((etoli near3 wolff).in.) and (solder\$5 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB ((steven near3 parsoneault).in.) and USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB (solder\$5 weld\$5) 1965 310/67r 238 310/67r and "fluid" and "bearing" and "shaft" "shaft" 2527 310/90 446 310/90 and "fluid" and "shaft" and "bearing" 446 310/90 and "fluid" and "shaft" and "bearing" 446 310/90 and "fluid" and "shaft" and "bearing" 69 ((310/90 and "fluid" and "shaft" and "bearing") 469 ((310/90 and "fluid" and "shaft" and USPAT 2001/04/17	
weld\$5) US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT USPAT USPAT 2002/05/30 USPAT 2001/04/17 "shaft" 2527 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 USPAT 2001/04/17 "SPAT 2001/04/17 USPAT 2001/04/17 USP	14.22
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	, 17:34
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT 2002/05/30 1965 310/67r 238 310/67r and "fluid" and "bearing" and "shaft" 2527 310/90 446 310/90 and "fluid" and "shaft" and "bearing" (310/90 and "fluid" and "shaft" and "bearing" bearing") and (dynamic near pressure) (310/90 and "fluid" and "shaft" and USPAT USPAT 2001/04/17 USPAT 2001/04/17 USPAT 2001/04/17 USPAT 2001/04/17 USPAT 2001/04/17	
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0 ((steven near3 parsoneault).in.) and (USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT 2002/05/30 2003/01/10 2003/01/10 2002/05/30 2003/01/1	
(solder\$5 weld\$5) US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT 2002/05/30 USPAT 2001/04/17 Shaft" USPAT 2001/04/17	14.33
EPO; JPO; DERWENT; IBM_TDB USPAT 2002/05/30 USPAT 2001/04/17 2527 310/90 - 446 310/90 and "fluid" and "shaft" and "bearing" - (310/90 and "fluid" and "shaft" and "bearing" - (310/90 and "fluid" and "shaft" and "bearing" - (310/90 and "fluid" and "shaft" and "bearing") - (310/90 and "fluid" and "shaft" and USPAT 2001/04/17 "bearing") and (dynamic near pressure) - (310/90 and "fluid" and "shaft" and USPAT 2001/04/17	, <u>1</u> -2-02
DERWENT; IBM_TDB USPAT 2002/05/30 USPAT 2001/04/17 2527 310/90 446 310/90 and "fluid" and "shaft" and "bearing" (310/90 and "fluid" and "shaft" and "bearing" (310/90 and "fluid" and "shaft" and "bearing" (310/90 and "fluid" and "shaft" and "SPAT 2001/04/17" "bearing") and (dynamic near pressure) (310/90 and "fluid" and "shaft" and USPAT 2001/04/17	
- 1965 310/67r 238 310/67r and "fluid" and "bearing" and USPAT 2002/05/30 2001/04/17 "shaft" 2527 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 2001/04/17 76 (310/90 and "fluid" and "shaft" and USPAT 2001/04/17 2001/04/17 "bearing") and (dynamic near pressure) 69 ((310/90 and "fluid" and "shaft" and USPAT 2001/04/17	
- 1965 310/67r 238 310/67r and "fluid" and "bearing" and USPAT 2002/05/30 2001/04/17 "shaft" 2527 310/90 USPAT 2001/04/17 2001/04/17 446 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 2001/04/17 2001/04/17 "bearing") and (dynamic near pressure) 69 ((310/90 and "fluid" and "shaft" and USPAT 2001/04/17	
- 238 310/67r and "fluid" and "bearing" and USPAT 2001/04/17 "shaft" - 2527 310/90 USPAT 2001/04/17 - 446 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 - 76 (310/90 and "fluid" and "shaft" and USPAT 2001/04/17 "bearing") and (dynamic near pressure) - 69 ((310/90 and "fluid" and "shaft" and USPAT 2001/04/17) 10.10
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- 2527 310/90 USPAT 2001/04/17 - 446 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 - 76 (310/90 and "fluid" and "shaft" and USPAT 2001/04/17 "bearing") and (dynamic near pressure) - 69 ((310/90 and "fluid" and "shaft" and USPAT 2001/04/17	
- 446 310/90 and "fluid" and "shaft" and "bearing" USPAT 2001/04/17 - 76 (310/90 and "fluid" and "shaft" and USPAT 2001/04/17 "bearing") and (dynamic near pressure) - 69 ((310/90 and "fluid" and "shaft" and USPAT 2001/04/17	7 14 - 14
- 76 (310/90 and "fluid" and "shaft" and USPAT 2001/04/17 "bearing") and (dynamic near pressure) - 69 ((310/90 and "fluid" and "shaft" and USPAT 2001/04/17	
"bearing") and (dynamic near pressure) 69 ((310/90 and "fluid" and "shaft" and USPAT 2001/04/17	
- 69 ((310/90 and "fluid" and "shaft" and USPAT 2001/04/17	
	7 14.20
"bearing") and (dynamic near pressure)) not	U
washer	
- 1259 310/52 USPAT 2001/04/17	7 14.30

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-	28	310/52 and "fluid" and "shaft" and "bearing" and "disc"	USPAT	2001/04/17 14:37
1 -	1526	310/51	USPAT	2001/04/17 14:39
	106	310/51 and "shaft" and "bearing" and "fluid"	USPAT	2001/04/17 14:33
-				1
_	132		USPAT	2001/04/17 15:16
_	259	384/\$.ccls. and (dynamic near pressure)	USPAT	2001/11/08 10:21
-	245	(384/\$.ccls. and (dynamic near pressure)) not washer	USPAT	2001/04/17 16:16
_	2	(("6121703") or ("6097121")).PN.	USPAT	2001/04/17 16:16
_, , , ,	9	384/\$.ccls. and (thrust adj plate near3	USPAT;	2001/11/08 11:14
	7			2001/11/08 11:14
		weld\$)	EPO; JPO;	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		DERWENT	
-	3		USPAT;	2001/11/08 13:41
- X		weld\$)	EPO; JPO;	
			DERWENT	
. -	1	("6097121").PN.	USPAT	2001/11/08 10:47
	1	("5822846").PN.	USPAT	2001/11/08 10:48
_	9	5822846.URPN.	USPAT	2001/11/08 11:06
_	5	("3449028" "4547081" "4557610"	USPAT	2001/11/08 11:10
*		("3449028" "4547081" "4557810" "5018881" "5141338").PN.	OBENI	2001/11/06 11:10
17			TTODAM	2001/11/00 11 10
-	4	stator\$ and rotor\$ and (thrust adj plate	USPAT;	2001/11/08 11:19
		near3 weld\$)	EPO; JPO;	
545	_ · · ·	. 18	DERWENT	
- ' ' '	5	stator\$ and (thrust adj plate near3 weld\$)	USPAT;	2001/11/08 11:18
E 1 2 2 2		· ×	EPO; JPO;	6
1 4 6	* * * - *		DERWENT	
-	42	(thrust adj plate near3 weld\$)	USPAT;	2001/11/08 11:18
	12	The state of the s	EPO; JPO;	,,
4.4			DERWENT	
100	11	rotord and (throat add plats mass)		2001/11/00 11 20
-	11	rotor\$ and (thrust adj plate near3 weld\$)	USPAT;	2001/11/08 11:20
10 0		* ()	EPO; JPO;	
2.	1 0		DERWENT	
- **	. 0		USPAT	2001/11/08 11:53
- 5.00	109	masato near gomyo	USPAT;	2001/11/08 12:01
1.0	0		EPO; JPO;	
P			DERWENT	
_ :	15	narita near takayuki	USPAT;	2001/11/08 11:54
* - : .		*	EPO; JPO;	
			DERWENT	
_ 3 14 3	14	tago near tokio	USPAT;	2001/11/08 11:54
1 2 1	14	Cago Hear CONTO		2001/11/06 11:54
	F 4.5		EPO; JPO;	
	X 5	1,12	DERWENT	0000 (00 (00 = = = = = = = = = = = = = =
	50	miura near kazuji	USPAT;	2001/11/08 11:55
	9 1		EPO; JPO;	
			DERWENT	
- **	14	yazawa near takehiko	USPAT;	2001/11/08 11:55
			EPO; JPO;	
101			DERWENT	
_	3	(masato near gomyo) and weld\$	USPAT;	2001/11/08 12:01
		,	EPO; JPO;	
1	-,	**	DERWENT	
, - A.		(#6275257#\ DM	1	2002/05/30 10:11
	1	("6375357").PN.	USPAT	
-	3	"6375357"	USPAT;	2002/05/30_10:13
0	f		US-PGPUB;	
w (EPO; JPO;	
			DERWENT;	
	-		IBM TDB	
_	12	(counterplate (counter\$10 adj plate)) near12	USPAT;	2002/05/30 10:53
-		weld\$5 near12 (bearing sleeve)	US-PGPUB;	,,
			EPO; JPO;	į
		· ·	DERWENT;	
* "	8 2	(#4000000# #4000### ##000###	IBM_TDB	0000/05/00 50 05
_	11	("1998888" "4999724" "5337374"	USPAT	2002/05/30 10:28
		"5683183" "5743655" "5822846"		
	* "	"5844748" "5880545" "6072660"		
	*-	"6144523" "6264368").PN.		
	968	cover\$5 near12 weld\$5 near12 (bearing	USPAT;	2002/05/30 11:30
		sleeve)	US-PGPUB;	
		N-10010/	EPO; JPO;	
			DERWENT;	
1	1		IBM_TDB	

- 0	(cover\$5 near12 weld\$5 near12 (bearing sleeve)) and counterplate	USPAT; US-PGPUB; EPO; JPO;	2002/05/30 11:30
. *		DERWENT;	
1	(cover\$5 near12 weld\$5 near12 (bearing sleeve)) and spindle adj motor	USPAT; US-PGPUB;	2002/05/30 11:32
		EPO; JPO; DERWENT; IBM TDB	-
- 404	(cover\$5 near12 weld\$5 near12 (bearing sleeve)) and bearing	USPAT; US-PGPUB; EPO; JPO;	2002/05/30 11:32
- 251	, , , , , , , , , , , , , , , , , , , ,	DERWENT; IBM_TDB USPAT;	2002/05/30 11:38
	sleeve)) and shaft	US-PGPUB; EPO; JPO; DERWENT;	1
6	(("1998888" "4999724" "5337374" "5683183" "5743655" "5822846" "5844748" "5880545" "6072660"	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/05/30 12:04
	"6144523" "6264368").PN.) and weld\$7	DERWENT; IBM_TDB	
3	310/\$.ccls. and (thrust adj plate) near12 weld\$7 near12 sleeve	USPAT; US-PGPUB; EPO; JPO;	2002/05/30 14:40
- 2	204/6 gglg and (blower add alaba) manalo	DERWENT; IBM_TDB	0000/05/00 10 00
	384/\$.ccls. and (thrust adj plate) near12 weld\$7 near12 sleeve	USPAT; US-PGPUB; EPO; JPO;	2002/05/30 12:08
8	(thrust adj plate) near12 weld\$7 near12	DERWENT; IBM_TDB USPAT;	2002/05/30 12:08
	sleeve	US-PGPUB; EPO; JPO; DERWENT;	4
29	1	IBM_TDB USPAT;	2002/05/30 12:35
	sleeve	US-PGPUB; EPO; JPO; DERWENT;	*
15	310/\$.ccls. and (plate) near12 weld\$7 near12 sleeve	IBM_TDB USPAT; US-PGPUB;	2002/05/30 12:36
		EPO; JPO; DERWENT; IBM TDB	*
17	sleeve	USOCR	2002/05/30 12:36
- 36 - 0	310/\$.ccls. and (plate) near12 weld\$7 near12 sleeve 310/91 and (counterplate (counter\$7 adj	USOCR USPAT;	2002/05/30 12:36
	plate)) near12 weld\$7	US-PGPUB; EPO; JPO; DERWENT;	
4	310/90 and (counterplate (counter\$7 adj plate)) near12 weld\$7	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/05/30 14:47
- 0	310/91 and (thrust adj plate) near12 weld\$7	DERWENT; IBM_TDB USPAT;	2002/05/30 14:44
	one contact and prace, heartz werdy	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002, 00, 00

"4928376" "5057528" "5523818" "557355" "5524728" "5554728" "5557355" "5557428" "5569315" "5579504" "5666716" "578908" "57795074" "5682417" "58494868").PN. 6 ("199888" "4999724" "5337374" USPAT 2002/05/30 14 "584748" "5880545" "5822846" "582846" "584728" "584748" "5880545" "5822846" "584748" "5880545" "5822846" "5854728" "5524728" "5523818" USPAT 2002/05/30 14 "584748" "5880545" "5523818" USPAT 2002/05/30 14 "584748" "5583183" "5743655" "5822846" "554728" "5524728" "5724728" "5724728" "5724728" "5724728" "5724728" "5724728" "57247							
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"5524728" "5559382" "5575355" EPO; JPO;					"5524728" "5559382" "5575355"	EPO; JPO;	
"5577842"					!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!		
					"5666716" "5678929" "5778948"	IBM TDB	
"5795074" "5862841" "5894868").PN.) and weld\$4							